

A² 11. (Amended) The portable golf round data system of Claim 1 wherein said graphic display is adapted to show a user's position on a green, the cup in said green, and a representation of forces on a ball on said green along a line between said user position and said cup.

13 sub B² 16. (Amended) The portable golf round data system of Claim 14 wherein said graphic display is adapted to show the number of strokes a user has used on the current hole being played.

4 18. (Amended) The portable golf round data system of Claim 15 wherein said graphic display is adapted to show the location of at least one selected previous stroke in said stroke data storage and the resulting ball position after said stroke.

5 sub B² 24. (Amended) The portable golf round data system of Claim 15 wherein said location data is transferred from said portable data collection unit to a data processor external to said portable data collection unit.

25. (Amended) The portable golf round data system of Claim 15 wherein said location data is transferred from said portable data collection unit to a data file accessible via the Internet.

26. (Amended) The portable golf round data system of Claim 15 wherein said location data is transferred from the said portable data collection unit via a wireless communication link.

sub B² 28. (Amended) The portable golf round data system of Claim 9 wherein said graphic display is adapted to indicate the region on the course within which the ball will probably rest following the user's next stroke taking into consideration the club selected by the user and a predetermined skill level.

31. (Amended) The portable golf round data system of Claim 1 wherein said graphic display is adapted to show a user information on the break of a putt from a straight line extending from said user's position on a green to the cup in said green.

Sub B13
A7
32. (Amended) A cellular radiotelephone comprising:
a) a cellular radio transceiver to communicate with a cellular network;
b) a radiolocation receiver for receiving at least one external locating signal from which the user's current location on a golf course can be determined;
c) data storage for storing data relating to the location of golf course features;
d) at least one data processor acting upon data from the radiolocation receiver and the data storage for determining a player's current location on said course from said external locating signal and for calculating distances between said current location and at least one of said golf course features retained in said data storage; and
e) a display on said cellular radiotelephone connected to said processor and operative to display information about the distance between said current location and at least one selected golf course feature.

33. (Amended) The cellular radiotelephone of Claim 32 wherein said display is adapted to show the club the user intends to use for the next stroke.

Sub B14
34. (Amended) The cellular radiotelephone of Claim 32 wherein said portable unit includes a data storage containing data relating to the user's past performance skill level.

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39. (Amended) The cellular radiotelephone of Claim 32 wherein said display is adapted to show the number of strokes a user has used on the current hole being played.

Sub B15
41. (Amended) The cellular radiotelephone of Claim 37 wherein said stroke register includes a microprocessor adapted for voice recognition of at least one selected word.

42. (Amended) The cellular radiotelephone of Claim 37 wherein said stroke register includes a microprocessor adapted to receive and recognize telemetry signals emitted by telemetry equipped golf clubs.

Sub B16
45. (Amended) The cellular radiotelephone of Claim 38 wherein said stroke data is transferred from the said cellular radiotelephone via a cellular telephone data channel.

46. (Amended) The cellular radiotelephone of Claim 38 wherein said stroke data is transferred from said cellular radiotelephone unit to a data processor external to said cellular radiotelephone.

47. (Amended) The cellular radiotelephone of Claim 38 wherein said stroke data is transferred from said cellular radiotelephone to a data file accessible via the Internet.

50. (Amended) The cellular radiotelephone of Claim 32 wherein said display is adapted to show a user the probable distance a ball will travel when struck by a selected club.

51. (Amended) The cellular radiotelephone of Claim 32 wherein said display is adapted to show a user information relating to the break of a putt from a straight line extending from said user's position on a green to the cup in said green.

62. (Amended) A golf user aid method comprising:

- (a) storing information relating to the likely travel of a ball resulting from a stroke using at least one selected club;
- (b) determining the user's location on a golf course; and
- (c) indicating to the user information relating to the likely path of the ball due to the next stroke using the selected club.

63. (Amended) The golf round data method of Claim 62 wherein said information to the user includes the likely distance to be achieved by a stroke which is not a putt.

64. (Amended) The golf round data method of Claim 62 wherein said information to the user includes the likely break of a putt away from a straight line from the user's present position on a green and the cup in said green.

66. (Amended) The golf data display of Claim 65 wherein said data display is portable to be carried by the user.

67. (Amended) The golf data display of Claim 65 wherein said locator is a radiolocation receiver adapted to receive at least one external locating signal from which the user's current location on a golf course can be determined.

68. (Amended) The golf data display of Claim 65 wherein said selected club is determined using one or more key switches and an indicator showing said user the particular club selected.

69. (Amended) The golf data display of Claim 65 wherein said selected club is determined using a telemetry receiver adapted to recognize which specific club a user is manipulating in some predetermined manner.

70. (Amended) The golf data display of Claim 65 wherein said likely path of the ball is determined from the past performance of said user.

71. (Amended) The golf data display of Claim 65 wherein said indicator is a graphical display adapted to show at least one course feature and an indicated course region within which the user's ball will be expected to lie following a stroke with said selected club.

72. (Amended) The golf data display of Claim 71 wherein said graphical display is further adapted to allow the user to indicate the intended direction of said next stroke.

73. (Amended) A golf putting aid comprising:

- (a) a locator which determines the user's current location on a golf course;
- (b) data storage retaining information from which the break of a putted ball from a straight line from the current lie on a green to the cup of that green can be estimated; and
- (c) at least one indicator conveying to the user expected approximate break distance and direction of a putted ball from a straight line between said user's current location and said cup.

74. (Amended) The golf putting aid of Claim 73 wherein said locator is a radiolocation receiver adapted to receive at least one external locating signal from which the user's current location on a golf course can be determined.

75. (Amended) The golf putting aid of Claim 73 wherein said information retained in data storage includes a number of break distances and directions determined from a series of test putts to the current cup location from multiple sample locations on the green.

76. (Amended) The golf putting aid of Claim 73 wherein said information retained in data storage includes green elevation contours and the current cup location.

77. (Amended) The golf putting aid of Claim 73 wherein said indicator includes an alpha numeric display of estimated break distance and direction.

78. (Amended) The golf putting aid of Claim 73 wherein said indicator includes graphical display of green elevation contours to be traversed from the current ball position on the green to the cup.

79. (Amended) The golf putting aid of Claim 73 wherein said indicator includes a graphical display of forces to be exerted on said putted ball by green contours.

80. (Amended) The golf putting aid of Claim 73 wherein said indicator includes an audible voice.

Please add claims 81 - 84 as follows:

81. The cellular radiotelephone of Claim 32 wherein said data processor is external to said cellular radiotelephone and said data processor is operatively connected to said cellular radiotelephone through wireless data transfer.

82. The cellular radiotelephone of Claim 32 wherein at least a portion of said data storage is external to said cellular radiotelephone.

83. The cellular radiotelephone of Claim 32 wherein said display is a proportional graphical map.

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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
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